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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/662,375	09/16/2003	Eyal Teichman	08875.0009-00000	9406
21127	7590	09/08/2004	EXAMINER	
KUDIRKA & JOBSE, LLP ONE STATE STREET SUITE 800 BOSTON, MA 02109			MICHENER, JENNIFER KOLB	
		ART UNIT	PAPER NUMBER	
		1762		

DATE MAILED: 09/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/662,375	TEICHMAN, EYAL <i>[Handwritten Signature]</i>
	Examiner	Art Unit
	Jennifer K. Michener	1762

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 16 September 2003.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 9-19 is/are pending in the application.
 4a) Of the above claim(s) 10-14, 18 and 19 is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 9 and 15-17 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>12/9/03&8/11/04</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

DETAILED ACTION

Claim Objections

1. Claim 17 is objected to because of the following informalities: claim 17 depends on withdrawn claim 10. Appropriate correction is required.

Examiner suggests that perhaps Applicant intended to elect the species of claim 10, in which case this objection would be withdrawn. In this case, Examiner notes that claim 10 would be included with the 102 rejections, below.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 9 is rejected under 35 U.S.C. 102(b) as being anticipated by Castro (6,395,326).

Castro teaches a method of coating a stent, which is, by design, a cylindrical object with an interior and exterior, having struts with exposed surfaces. Castro teaches applying a coating to the stent which may flow around the surfaces to form a uniform coating on

the strut surfaces (Figure 8A and 15C; col. 8, line 59; col. 16, line 60). Figure 6A, a close-up figure, shows the applicator and stent in a spaced-apart relationship.

3. Claims 9 is rejected under 35 U.S.C. 102(e) as being anticipated by Zhong et al. (6,676,987).

Zhong teaches the use of a DOD (bubble jet) inkjet printhead applicator to coat stent strut surfaces (abstract; col. 6, line 27). While varying thicknesses are allowed in one embodiment, Zhong teaches application of uniform coatings over the entire device (col. 5, liens 47-53). The Figures indicate a spaced-apart relationship between stent and applicator.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

6. Claims 17 and 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Castro.

Castro teaches that which is disclosed above. Additionally, as evident from the Figures, Castro teaches targeting the center of the strut and also the use of a coating stream width wider than the stent strut to cover the stent surface completely (col. 16, lines 58-61). Therefore, Castro teaches adjusting drop size to achieve full strut encapsulation.

Castro does not disclose optimizing the drop *velocity*.

However, Examiner notes that the pressure pulse applicator of Castro will inherently provide the drop with a velocity. Additionally, the greater the pressure, the more the droplet will spread upon impact. Castro teaches the desirability to control width of coating stream. It is Examiner's position that it would have been obvious to an ordinary artisan to select an appropriate droplet velocity or droplet pressure to optimize coating parameters, such as width.

It is well settled that determination of optimum values of cause effective variables such as these process parameters is within the skill of one practicing in the art. *In re Boesch*, 205 USPQ 215 (CCPA 1980).

The vision software senses the features of the prosthesis, which make up its topography (col. 10, lines 49-59), to use in directing the applicator.

Castro teaches the use of inkjet printheads as the applicator, used in either continuous or pressure-pulse mode (col. 8, lines 59-61; col. 9, line 32). The pressure pulse is a drop-on-demand applicator.

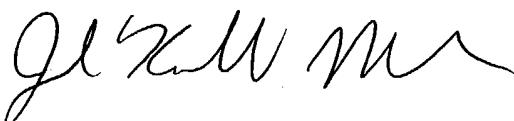
Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shekalim et al. is cited for teaching DOD printing of stent struts, similar to Castro and Zhong.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer K. Michener whose telephone number is (571) 272-1424. The examiner can normally be reached on Monday through Thursday and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shrive P. Beck can be reached on 571-272-1415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jennifer Kolb Michener
Patent Examiner
AU 1762
9/2/2004